Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 10/646,472 Filing Date August 21, 2003 First Named Inventor Jamie Wakeam et al. **Group Art Unit** 2661 **Examiner Name** TBA

(use as many sheets as necessary)

Sheet		of	Attorney Docket Number	003797.00618
		OTHER PRIOR	ART NON PATENT LITERATURE	DOCUMENTS
Examiner	Cite	Include name of the authe item (book, magaz	uthor (in CAPITAL LETTERS), title of the	article (when appropriate), tit etc.), date, page(s), volume-is

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
CHO		H. Kitakami et al., "A Constraint Solver for Reconciling Heterogeneous Trees," IC-AI '00 International Conference, 2000, pp. 1419-1425		
CHO		M. van Veller et al., "Methods in Vicariance Biogeography: Assessment of the Implementations of Assumptions 0, 1, and 2," Cladistics 16, 2000, pp. 319-345		
CLO		V. V'yugin et al., "Tree Reconciliation: Reconstruction of Species Phylogeny by Phylogenetic Gene Trees," Molecular Biology, Vol. 36, No. 5, 2002, pp.650-658		
C20		H. Prodinger, "A q-Analog of the Path Length of Binary Search Trees," 10/14/1999, pp. 1-9		
CHO		R. Page, "Extracting Species Trees From Complex Gene Trees: Reconciled Trees And Vertebrate Phylogeny," Molecular Phylogenetics and Evolution, Vol. 14, No. 1, 2000, pp. 89-106		
CLA		M. van Veller et al., "A posteriori and a priori methodologies for testing hypotheses of causal processes in vicariance biogeography," Willi Hennig Society, 2001, pp. 26		
CHB		A. Martin, "Choosing among Alternative Trees of Multigene Families," Molecular Phylogenetics and Evolution, Vol. 16, No. 3, 2000, pp. 430-439		
CLD		M.T. Hallett et al., "Efficient Algorithms for Lateral Gene Transfer Problems," RECOMB, 2001, pp. 149-156		
CHO		R. Neininger, "On binary search tree recursions with monomials as toll functions," Journal of Computational and Applied Mathematics, 2002, pp. 185-196		
CLO		M. Hofri et al., "Efficient Reorganization of Binary Search Trees," Proceedings of the 2 nd Italian Conference on Algorithms and Complexity, 1994, pp. 1-25		
CLO		M. Hallett et al., "New Algorithms for the Duplication-Loss Model," RECOMB, 2000, pp. 138-146		
Caso	-	B. Ma et al., "From Gene Trees to Species Trees," Second Annual International Conference on Computational Molecular Biology," 1998, pp. 1-29		
CKD		Miklós Csűrös, "Fast recovery of evolutionary trees with thousands of nodes," Department of Computer Science, Yale University, 2002, 36 pages		
CHO		Hajime Kitakami et al., "Constraint Satisfaction for Reconciling Heterogeneous Tree Databases," DEXA 2000, LNCS 1873, pp. 624-633		

Examiner Signature	Releich Dane	Date Considered	02/09/200le
			

EXAMINER: Initial (I reference considered, whether or lot citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 10/646,472 August 21, 2003 Filing Date First Named Inventor Jamie Wakeam et al. Group Art Unit 2661 Examiner Name **TBA** 003797.00618

(use as many sheets as necessary)

of Attorney Docket Number

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
	No.	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
CZD		6,603,881 B2	08-05-2003	Perrone et al.	
CHO		6,442,555 B1	08-27-2002	Shmueli et al.	

FOREIGN PATENT DOCUMENTS						
5	Oite	Foreign Patent Document	D. A. C A.	Name of Patentee or	Pages, Columns, Lines,	
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁰
	•					

	_	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	· · · · · ·
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
CLD		Ramachandran et al., "An Architecture for Ink Annotations on Web Documents," August 2003, vol. 1, pages 256-260	

Examiner Signature Chelcie L. Dorf Date Considered	02/09/2004
--	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/S8/08A (10-01) Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1895, no persons are required to respond to a collection of information unless it contains a valid OMB control humber.						
Substitute for for				Complete If Known	١.	
INFORM	INFORMATION DISCLOSURE		Application Number	10/848,472	1	
	ENT BY APPLI		, Filing Date	August 21, 2003	1	
- 11.11 - 011		•,	First Named Inventor	Jamie Wakeam et al.	1	
•		Group Art Unit	2661	1		
(use	(use as many sheets as necessary)		Examiner Name	TBA	1	
Sheet	of		Attorney Docket Number	003797.00818	Į	

			U.S. PATENT	DOCUMENTS	
Examiner	Çite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Inidals "	No.'	Number - Kind Code ² (II known)	MM-DD-YYYY	Gited Document	Passages or Ratevant Figures Appear
CZB		2002/0085002 A1	07-04-2002	Lamping et al.	
010		2002/0191452 A1	12-19-2002	Fujihara	
CHO		6,377,259 B2	04-23-2002	Tenev et al.	
	-				
T .		<u> </u>		Į. l	

FOREIGN PATENT DOCUMENTS						
Firmer's se	0 110	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Examiner Initials*	Cite No.1	Country Code ³ • Number ⁴ • Kind Code ³ (<i>it known</i>)	Publication Date NOVI-DO-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	۲۴

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		

Examiner Signature	Chelcie L. Da	Date Considered	02/09/	2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw fine through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01) Approved for use through 10/31/2002. OMB 0851-0031 U.S. Palent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1448A/PTO Complete if Known INFORMATION DISCLOSURE Application Number 10/646,472 Filing Date August 21, 2003 STATEMENT BY APPLICANT First Named Inventor Jamie Wakeam et al. Group Art Unit 2661 (use as many sheets as necessary) Examiner Name TBA Sheet of Attorney Docket Number 003797.00618

	Ī	Document Number	D. All'Assis . D. A.	Name of Patentee or Applicant of	0
initials *	No.1	Number - Kind Çode ³ (if known)	Publication Date MM-DD-YYYY	Cited Document	Peges, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CH9		5,559.897	09-24-1998	Brown et all.	
CIB		5,911,013	08-08-1999	Taniishi	
CLB .	L	5,394,484	02-28-1995	Casey et al.	
		ļ			

		FOREIGN PA	TENT DOCU	MENTS		
C	0:1-	Foreign Patent Document		Name of Patenion or	Pages, Columns, Lines,	
Examiner Initials*	Cite No.1	Country Code ³ - Number ^s - Kind Code ⁵ (<i>If known</i>)	Publication Data MM-DD-YYYY	Applicant of Cited Document	Where Retevant Passages or Relevent Figures Appear	T⁰

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2

Examiner Signature	Chelcie	L. Das	R	Date Considered	02	109	2006

EXAMINER: Initial if reference considered, whether or not calation is in conformance with MPEP 606. Draw line through challen if not in conformance and not considered, include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of firms you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid CMB control number.

Substitute	for	form	1449A/PTO
------------	-----	------	-----------

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/646,472

Filing Date August 21, 2003

First Named Inventor Jamie Wakeam et al.

Group Art Unit 2661

Examiner Name TBA

Attorney Docket Number 003797.00618

(use as many sheets as necessary)

of

	Passages or Relevant Figures Appear 996 Cobbley et al. 995 Friend et al. 901 Sidoroff et al. 901 Nagy	Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan
5,455,901 A1 10-03-1995 Friend et al. (90 6,292,857 B1 09-18-2001 Sidoroff et al. (20 201/0012401 A1 08-09-2001 Nagy	995 Friend et al. 001 Sidoroff et al. 001 Nagy	Initials *	No.	Number - Kind Code ² (if known)		Cited Document	Passages or Relevant
6,292,857 B1 09-18-2001 Sidoroff et al. 2001/0012401 A1 08-09-2001 Nagy	001 Sidoroff et al. 001 Nagy	C9D		5,546,538 A1	08-13-1996	Cobbley et al.	
(20 2001/0012401 A1 08-09-2001 Nagy	001 Nagy	20		5,455,901 A1	10-03-1995	Friend et al.	
		190		6,292,857 B1	09-18-2001	Sidoroff et al.	
2003/0028851 A1 02-06-2003 Leung et al.	203 Leung et al.	CLO		2001/0012401 A1	08-09-2001	Nagy	
		do		2003/0028851 A1	02-06-2003	Leung et al.	
					· · · · · · · · · · · · · · · · · · ·		

		FOREIGN PA	TENT DOCU	MENTS		
	0"	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ³ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	۳
-			•			
				·		

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				

Examiner Signature	Chelci L. Dang	Date Considered	02/06/2006

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.